

NTA UGC NET Jan 2025

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Subject	87 Computer Science and Applications

Section : General Paper

Comprehension:

एक शहर की बेकरी दुकानें कार्नील, अमेरिकन व स्वीडिश नामक तीन भिन्न प्रकार के हॉटकेक तैयार करती हैं। निम्न तालिका में, A, B, C और D नामक चार अलग-अलग बेकरी दुकानों द्वारा सोमवार को बेचे गए हॉटकेक (तीनों प्रकार को मिलाकर) की कुल संख्या, बेचे गए कार्नील हॉटकेकों की संख्या और बेचे गए अमेरिकन हॉटकेकों और कार्नील हॉटकेकों की संख्या के बीच का अंतर दर्शाया गया है। तालिका में प्रदत्त डेटा के आधार पर, आगे के प्रश्नों के उत्तर दीजिए :

सोमवार को हॉटकेकों की बिक्री का बेकरी-वार विवरण			
बेकरी	बेचे गए हॉटकेकों की कुल संख्या	बेचे गए कार्नील हॉटकेकों की संख्या	बेचे गए अमेरिकन और कार्नील हॉटकेकों की संख्या के बीच का अंतर
A	1200	320	40
B	1080	280	120
C	1000	360	80
D	1320	420	40

टिपण्णी : (1) बेचे गए हॉटकेकों की कुल संख्या = कार्नील, अमेरिकन व स्वीडिश हॉटकेकों की बिक्री का योग

(2) बेचे गए अमेरिकन हॉटकेकों की संख्या हमेशा बेचे गए कार्नील हॉटकेकों की संख्या से अधिक है।

SubQuestion No : 1

Q.1

बेकरी A द्वारा बेचे गए अमेरिकन हॉटकेकों की संख्या बेकरी C द्वारा बेचे गए स्वीडिश हॉटकेकों की संख्या से _____ % अधिक है।

1. 20
2. 80
3. 180
4. 40

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491544

Option 1 ID : 3767496009

Option 2 ID : 3767496010

Option 3 ID : 3767496011

Option 4 ID : 3767496012

Status : Answered

Chosen Option : 2

Comprehension:

एक शहर की बेकरी दुकानें कार्नामील, अमेरिकन व स्वीडिश नामक तीन भिन्न प्रकार के हॉटकेक तैयार करती हैं। निम्न तालिका में, A, B, C और D नामक चार अलग-अलग बेकरी दुकानों द्वारा सोमवार को बेचे गए हॉटकेक (तीनों प्रकार को मिलाकर) की कुल संख्या, बेचे गए कार्नामील हॉटकेकों की संख्या और बेचे गए अमेरिकन हॉटकेकों और कार्नामील हॉटकेकों की संख्या के बीच का अंतर दर्शाया गया है। तालिका में प्रदत्त डेटा के आधार पर, आगे के प्रश्नों के उत्तर दीजिए :

सोमवार को हॉटकेकों की बिक्री का बेकरी-वार विवरण			
बेकरी	बेचे गए हॉटकेकों की कुल संख्या	बेचे गए कार्नामील हॉटकेकों की संख्या	बेचे गए अमेरिकन और कार्नामील हॉटकेकों की संख्या के बीच का अंतर
A	1200	320	40
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टिपण्णी : (1) बेचे गए हॉटकेकों की कुल संख्या = कार्नामील, अमेरिकन व स्वीडिश हॉटकेकों की बिक्री का योग

(2) बेचे गए अमेरिकन हॉटकेकों की संख्या हमेशा बेचे गए कार्नामील हॉटकेकों की संख्या से अधिक है।

SubQuestion No : 2**Q.2**

बेकरी A और बेकरी D द्वारा मिला कर बेचे गए कार्नामील हॉटकेकों की कुल संख्या और बेकरी A द्वारा बेचे गए स्वीडिश हॉटकेकों की संख्या के बीच का अंतर क्या है ?

1. 175
2. 200
3. 150
4. 220

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**Question ID : **3767491545**Option 1 ID : **3767496013**Option 2 ID : **3767496014**Option 3 ID : **3767496015**Option 4 ID : **3767496016**Status : **Answered**Chosen Option : **4**

Comprehension:

एक शहर की बेकरी दुकानें कार्नामील, अमेरिकन व स्वीडिश नामक तीन भिन्न प्रकार के हॉटकेक तैयार करती हैं। निम्न तालिका में, A, B, C और D नामक चार अलग-अलग बेकरी दुकानों द्वारा सोमवार को बेचे गए हॉटकेक (तीनों प्रकार को मिलाकर) की कुल संख्या, बेचे गए कार्नामील हॉटकेकों की संख्या और बेचे गए अमेरिकन हॉटकेकों और कार्नामील हॉटकेकों की संख्या के बीच का अंतर दर्शाया गया है। तालिका में प्रदत्त डेटा के आधार पर, आगे के प्रश्नों के उत्तर दीजिए :

सोमवार को हॉटकेकों की बिक्री का बेकरी-वार विवरण			
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(2) बेचे गए अमेरिकन हॉटकेकों की संख्या हमेशा बेचे गए कार्नामील हॉटकेकों की संख्या से अधिक है।

SubQuestion No : 3**Q.3**

एक अन्य बेकरी E के लिए, यदि बेचे गए हॉटकेकों की कुल संख्या बेकरी D की बिक्री संख्या से 120 कम है, उसके द्वारा बेचे गए कार्नामील हॉटकेकों की संख्या बेकरी E द्वारा बेचे गए हॉटकेकों की कुल संख्या का 40% है, बेचे गए अमेरिकन हॉटकेकों की संख्या E द्वारा बेचे गए हॉटकेकों की कुल संख्या का 35% है और E की शेष बिक्री स्वीडिश हॉटकेकों की है, तो बेकरी E द्वारा बेचे गए स्वीडिश हॉटकेकों की संख्या क्या है ?

1. 210
2. 300
3. 250
4. 400

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**Question ID : **3767491546**Option 1 ID : **3767496017**Option 2 ID : **3767496018**Option 3 ID : **3767496019**Option 4 ID : **3767496020**Status : **Answered**Chosen Option : **2**



Comprehension:

एक शहर की बेकरी दुकानें कार्नामील, अमेरिकन व स्वीडिश नामक तीन भिन्न प्रकार के हॉटकेक तैयार करती हैं। निम्न तालिका में, A, B, C और D नामक चार अलग-अलग बेकरी दुकानों द्वारा सोमवार को बेचे गए हॉटकेक (तीनों प्रकार को मिलाकर) की कुल संख्या, बेचे गए कार्नामील हॉटकेकों की संख्या और बेचे गए अमेरिकन हॉटकेकों और कार्नामील हॉटकेकों की संख्या के बीच का अंतर दर्शाया गया है। तालिका में प्रदत्त डेटा के आधार पर, आगे के प्रश्नों के उत्तर दीजिए :

सोमवार को हॉटकेकों की बिक्री का बेकरी-वार विवरण			
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टिपण्णी : (1) बेचे गए हॉटकेकों की कुल संख्या = कार्नामील, अमेरिकन व स्वीडिश हॉटकेकों की बिक्री का योग

(2) बेचे गए अमेरिकन हॉटकेकों की संख्या हमेशा बेचे गए कार्नामील हॉटकेकों की संख्या से अधिक है।

SubQuestion No : 4

Q.4

बेकरी C द्वारा बेचे गए अमेरिकन हॉटकेकों की संख्या का बेकरी D द्वारा बेचे गए स्वीडिश हॉटकेकों की संख्या के साथ क्या अनुपात है ?

1. 3:5

2. 5:2

3. 1:1

4. 4:3

Options 1. 1

2. 2

3. 3

4. 4



Question Type : **MCQ**

Question ID : **3767491542**

Option 1 ID : **3767496001**

Option 2 ID : **3767496002**

Option 3 ID : **3767496003**

Option 4 ID : **3767496004**

Status : **Answered**

Chosen Option : **3**



Comprehension:

एक शहर की बेकरी दुकानें कार्नामील, अमेरिकन व स्वीडिश नामक तीन भिन्न प्रकार के हॉटकेक तैयार करती हैं। निम्न तालिका में, A, B, C और D नामक चार अलग-अलग बेकरी दुकानों द्वारा सोमवार को बेचे गए हॉटकेक (तीनों प्रकार को मिलाकर) की कुल संख्या, बेचे गए कार्नामील हॉटकेकों की संख्या और बेचे गए अमेरिकन हॉटकेकों और कार्नामील हॉटकेकों की संख्या के बीच का अंतर दर्शाया गया है। तालिका में प्रदत्त डेटा के आधार पर, आगे के प्रश्नों के उत्तर दीजिए :

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(2) बेचे गए अमेरिकन हॉटकेकों की संख्या हमेशा बेचे गए कार्नामील हॉटकेकों की संख्या से अधिक है।

SubQuestion No : 5**Q.5**

यदि बेकरी B द्वारा मंगलवार (अर्थात अगले दिन) को बेचे गए कार्नामील हॉटकेकों की संख्या सोमवार को हुई इनकी बिक्री से 20 प्रतिशत अधिक है, बेकरी B द्वारा मंगलवार को बेचे गए अमेरिकन हॉटकेकों की संख्या का बेचे गए स्वीडिश हॉटकेकों की संख्या से अनुपात 4:5 है और बेकरी B द्वारा मंगलवार को बेचे गए अमेरिकन हॉटकेकों की संख्या 320 है, तो बेकरी B द्वारा मंगलवार के दिन बेचे गए हॉटकेकों की कुल संख्या क्या है ?

1. 1056
2. 1150
3. 1200
4. 1000

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**Question ID : **3767491543**Option 1 ID : **3767496005**Option 2 ID : **3767496006**Option 3 ID : **3767496007**Option 4 ID : **3767496008**Status : **Answered**Chosen Option : **1**

Q.6

मापन के अंतराल मापनी से जुड़े चरों की पहचान कीजिए :

- A. 24 घंटे के प्रारूप में दिन का समय
- B. जन्म तिथि
- C. वजन/भार
- D. ऊँचाई

नीचे दिए गए विकल्पों में से **सही** उत्तर का चयन कीजिए:

- 1. केवल A और B
- 2. केवल C और D
- 3. केवल A, C और D
- 4. केवल A

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491554

Option 1 ID : 3767496049

Option 2 ID : 3767496050

Option 3 ID : 3767496051

Option 4 ID : 3767496052

Status : Answered

Chosen Option : 1



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Q.7

'Fear of missing out' is part of

1. Mass communication concentration
2. Internet addiction
3. Media control
4. Media fragmentation

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491558

Option 1 ID : 3767496065

Option 2 ID : 3767496066

Option 3 ID : 3767496067

Option 4 ID : 3767496068

Status : Answered

Chosen Option : 2

Q.8

A man walks 12 km towards south and then 7 km towards north. From here he walks 5 km towards his left. How far and in which direction is the man with reference to his starting point?

1. 5km, North-west
2. 5km, south-west
3. $5\sqrt{2}$, south-west
4. $5\sqrt{2}$, south-east

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491566

Option 1 ID : 3767496097

Option 2 ID : 3767496098

Option 3 ID : 3767496099

Option 4 ID : 3767496100

Status : Answered

Chosen Option : 3



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Q.9

Match the **LIST-I** with **LIST-II**

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LIST-I (Model of cognitive apprenticeship)		LIST-II (Meaning)	
A.	Modelling	I.	Helping learner in starting and gradually fading the support
B.	Scaffolding	II.	Searching for new information, verifying to accept it as authentic knowledge
C.	Articulation	III.	Observing the performance of an expert
D.	Exploration	IV.	Giving words to their understanding of the process and content

Choose the **correct** answer from the options given below:

1. A-IV, B-III, C-II, D-I
2. A-III, B-I, C-IV, D-II
3. A-II, B-IV, C-I, D-III
4. A-I, B-II, C-III, D-IV

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : **MCQ**Question ID : **3767491551**Option 1 ID : **3767496037**Option 2 ID : **3767496038**Option 3 ID : **3767496039**Option 4 ID : **3767496040**Status : **Answered**Chosen Option : **2**

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Q.10 The transfer of learning from one situation to another that is conscious and effortful is known as

1. Far-road transfer
2. High-road transfer
3. Near-road transfer
4. Long-road transfer

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491547**

Option 1 ID : **3767496021**

Option 2 ID : **3767496022**

Option 3 ID : **3767496023**

Option 4 ID : **3767496024**

Status : **Answered**

Chosen Option : **3**

Q.11 “Step on scale, please” represents which function of the language?

1. Informative
2. Expressive
3. Directive
4. Performative

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491568**

Option 1 ID : **3767496105**

Option 2 ID : **3767496106**

Option 3 ID : **3767496107**

Option 4 ID : **3767496108**

Status : **Answered**

Chosen Option : **3**

Q.12

Match the **LIST-I** with **LIST-II**

LIST-I (Water Quality Parameters)		LIST-II (Explanation)	
A.	BOD	I.	Strength of organic matter in water
B.	DO	II.	Acidic/Basic/Neutral nature of water
C.	COD	III.	Oxygen consumed by micro-organisms
D.	pH	IV.	Amount of oxygen in water

Choose the **correct** answer from the options given below:

1. A-III, B-IV, C-II, D-I
2. A-III, B-IV, C-I, D-II
3. A-I, B-II, C-III, D-IV
4. A-I, B-II, C-IV, D-III

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491580

Option 1 ID : 3767496153

Option 2 ID : 3767496154

Option 3 ID : 3767496155

Option 4 ID : 3767496156

Status : Answered

Chosen Option : 2

Q.13 Knowledge is arrived at through the gathering of facts that provide the basis for laws. This refers to the principle of

1. Deductivism
2. Constructionism
3. Objectivism
4. Inductivism

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**
Question ID : **3767491552**
Option 1 ID : **3767496041**
Option 2 ID : **3767496042**
Option 3 ID : **3767496043**
Option 4 ID : **3767496044**
Status : **Answered**
Chosen Option : **4**

Q.14 The well-known 'Wood's despatch' is often described as the _____ of English education in India.

1. Bill of Rights
2. People's Charter
3. Preamble
4. Magna Carta

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**
Question ID : **3767491582**
Option 1 ID : **3767496161**
Option 2 ID : **3767496162**
Option 3 ID : **3767496163**
Option 4 ID : **3767496164**
Status : **Answered**
Chosen Option : **4**

Q.15

If a certain coding scheme, "DELHI" is coded as 5613910, then how is "MUMBAT" coded in this scheme?

1. 1422143210
2. 132113219
3. 122012108
4. 1523154311

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491562**

Option 1 ID : **3767496081**

Option 2 ID : **3767496082**

Option 3 ID : **3767496083**

Option 4 ID : **3767496084**

Status : **Answered**

Chosen Option : **1**

Q.16

Android is a mobile operating system developed by _____.

1. IBM
2. Apple
3. Microsoft
4. Google

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491573**

Option 1 ID : **3767496125**

Option 2 ID : **3767496126**

Option 3 ID : **3767496127**

Option 4 ID : **3767496128**

Status : **Answered**

Chosen Option : **4**

Q.17

If $(L)_M$ represents a number L in base-M number system, then identify the correct ascending order of the following numbers A-D when converted to decimal number system.

- A. $(11011.11)_2$
- B. $(131.2)_4$
- C. $(25.5)_8$
- D. $(16.6)_{16}$

Choose the *correct* answer from the options given below:

- 1. C, D, B, A
- 2. C, D, A, B
- 3. A, C, D, B
- 4. B, A, C, D

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491572

Option 1 ID : 3767496121

Option 2 ID : 3767496122

Option 3 ID : 3767496123

Option 4 ID : 3767496124

Status : Answered

Chosen Option : 2

Q.18

Which among the following is correct in the context of syllogistic rules.

- 1. With two negative premises; a negative conclusion is drawn.
- 2. Any Term distributed in the premises must be distributed in the conclusion.
- 3. Middle term must be distributed in both the premises
- 4. Syllogistic argument must contain only three terms

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491571

Option 1 ID : 3767496117

Option 2 ID : 3767496118

Option 3 ID : 3767496119

Option 4 ID : 3767496120

Status : Answered

Chosen Option : 4

Q.19

Which of the following are the strategies of co-operative learning?

- A. Rally coach
- B. Talking chips
- C. Schedule
- D. Round table
- E. Think-pair-share

Choose the *correct* answer from the options given below:

- 1. A, B, D and E Only
- 2. B and E Only
- 3. A, C and E Only
- 4. B and D Only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491549

Option 1 ID : 3767496029

Option 2 ID : 3767496030

Option 3 ID : 3767496031

Option 4 ID : 3767496032

Status : Answered

Chosen Option : 1

Q.20

Which of the following are impacts of hydroelectric power plant?

- A. Land-degradation
- B. Micro-seismicity
- C. Green House Gas Emission
- D. Water Pollution
- E. Smog Formation

Choose the *correct* answer from the options given below:

- 1. A, B, C and D Only
- 2. A, C, D and E
- 3. A, B, D and E
- 4. B, C and E Only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491578

Option 1 ID : 3767496145

Option 2 ID : 3767496146

Option 3 ID : 3767496147

Option 4 ID : 3767496148

Status : Answered

Chosen Option : 3

LIST-I (Definition)		LIST-II (Characteristic)	
A.	Stipulative	I.	They are used to eliminate ambiguity
B.	Lexical	II.	They encapsulate larger understanding of theory
C.	Precising	III.	It is neither accurate nor inaccurate
D.	Theoretical	IV.	It reports the meaning of the definiendum

Choose the **correct** answer from the options given below:

1. A-II, B-IV, C-III, D-I

2. A-I, B-III, C-IV, D-II

3. A-IV, B-II, C-III, D-I

4. A-III, B-IV, C-I, D-II

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491569**

Option 1 ID : **3767496109**

Option 2 ID : **3767496110**

Option 3 ID : **3767496111**

Option 4 ID : **3767496112**

Status : **Answered**

Chosen Option : **2**

Q.22

Find the value of the given expression correct upto 2 decimal places.

$$\frac{0.05 \times 0.05 \times 0.05 + 0.04 \times 0.04 \times 0.04}{0.05 \times 0.05 - 0.05 \times 0.04 + 0.04 \times 0.04}$$

1. 0.19

2. 0.09

3. 0.90

4. 0.85

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491564

Option 1 ID : 3767496089

Option 2 ID : 3767496090

Option 3 ID : 3767496091

Option 4 ID : 3767496092

Status : Answered

Chosen Option : 3

Q.23

Situated cognition is _____.

1. The idea that thinking is located in social and physical contexts, not within an individual's mind.

2. A student's general knowledge about the world.

3. The belief that one can master a situation and produce positive outcomes.

4. A schema of an event.

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491548

Option 1 ID : 3767496025

Option 2 ID : 3767496026

Option 3 ID : 3767496027

Option 4 ID : 3767496028

Status : Answered

Chosen Option : 3

Q.24

Identify the chronological sequence of the following organisations:

- A. Associated press
- B. A. C. Nielsen
- C. Academy of motion picture Arts and Sciences
- D. Al Jazeera
- E. Federal communications commission

Choose the *correct* answer from the options given below:

- 1. A, B, C, E, D
- 2. B, D, E, C, A
- 3. E, C, A, D, B
- 4. B, C, E, A, D

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491560

Option 1 ID : 3767496073

Option 2 ID : 3767496074

Option 3 ID : 3767496075

Option 4 ID : 3767496076

Status : Answered

Chosen Option : 3

Q.25

Which of the following tools can be used to create a virtual science lab experience?

- A. Kahoot!
- B. Labster
- C. Turnitin
- D. Phet simulation
- E. Padlet

Choose the **correct** answer from the options given below:

- 1. A, B and D Only
- 2. C and E Only
- 3. A and E Only
- 4. B and D Only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491550**

Option 1 ID : **3767496033**

Option 2 ID : **3767496034**

Option 3 ID : **3767496035**

Option 4 ID : **3767496036**

Status : **Answered**

Chosen Option : **1**

Q.26

Which of the following are characteristics of computer-mediated mass communication?

- A. One-way communication
- B. Massification
- C. Interactivity
- D. Demassification
- E. Asynchronicity

Choose the **correct** answer from the options given below:

- 1. A, B, C Only
- 2. B, C, D Only
- 3. C, D, E Only
- 4. A, B, E Only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491559**

Option 1 ID : **3767496069**

Option 2 ID : **3767496070**

Option 3 ID : **3767496071**

Option 4 ID : **3767496072**

Status : **Answered**

Chosen Option : **1**

Q.27

Arrange the following in the correct order of their appearance in the APA style of journal article referencing.

- A. Name of journal in italics
- B. doi
- C. Initials of author
- D. Title of article

Choose the **correct** answer from the options given below:

- 1. A, B, C, D
- 2. B, C, D, A
- 3. C, D, A, B
- 4. D, A, B, C

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491555

Option 1 ID : 3767496053

Option 2 ID : 3767496054

Option 3 ID : 3767496055

Option 4 ID : 3767496056

Status : Answered

Chosen Option : 4

Q.28

The tendency of researchers to subtly and inadvertently affect the behaviours of participants in a study, obscuring the true effect of the independent variable, is called

- 1. Response bias
- 2. Experimenter bias
- 3. Social desirability bias
- 4. Hawthorne effect

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491553

Option 1 ID : 3767496045

Option 2 ID : 3767496046

Option 3 ID : 3767496047

Option 4 ID : 3767496048

Status : Answered

Chosen Option : 2

Q.29

Which of the following statements A-D are true with reference to high-level computer programming languages?

- A. These need to be translated into machine code in order to run on a computer.
- B. These are written using mnemonic codes.
- C. These are specific to the computer's hardware.
- D. These are portable languages.

Choose the **correct** answer from the options given below:

- 1. B and C Only
- 2. A and B Only
- 3. A and D Only
- 4. C and D Only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491575**

Option 1 ID : **3767496133**

Option 2 ID : **3767496134**

Option 3 ID : **3767496135**

Option 4 ID : **3767496136**

Status : **Answered**

Chosen Option : **3**

Q.30

Identify the correct chronological sequence of the establishment of the following institutions in India.

- A. Siddhartha college, Mumbai
- B. Milind College
- C. P.W.S. Arts and Commerce College
- D. Khalsa College
- E. Dr. Babasaheb Ambedkar College of Arts, Science and Commerce

Choose the **correct** answer from the options given below:

- 1. A, E, C, D, B
- 2. B, C, E, A, D
- 3. C, B, A, E, D
- 4. D, A, B, E, C

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491585

Option 1 ID : 3767496173

Option 2 ID : 3767496174

Option 3 ID : 3767496175

Option 4 ID : 3767496176

Status : Answered

Chosen Option : 1

Q.31

Find the number that can replace question mark (?) in the series given below"
21, 22, 26, 35, 51, ?

- 1. 62
- 2. 66
- 3. 86
- 4. 76

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491563

Option 1 ID : 3767496085

Option 2 ID : 3767496086

Option 3 ID : 3767496087

Option 4 ID : 3767496088

Status : Answered

Chosen Option : 3

LIST-I (Concept)		LIST-II (Description)	
A.	Media intrusion	I.	Focuses on the practical use of knowledge
B.	Social capital	II.	Subversion of politics by media
C.	Media literacy	III.	The influence of potential leaders because of social group membership and participation
D.	Pragmatism	IV.	The ability to analyse media messages

Choose the **correct** answer from the options given below:

1. A-I, B-II, C-III, D-IV
2. A-II, B-III, C-IV, D-I
3. A-III, B-IV, C-I, D-II
4. A-IV, B-I, C-II, D-III

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491561**

Option 1 ID : **3767496077**

Option 2 ID : **3767496078**

Option 3 ID : **3767496079**

Option 4 ID : **3767496080**

Status : **Answered**

Chosen Option : **2**

Q.33

If $7:x = 17.5 : 22.5$, find the value of x.

1. 9
2. 12
3. 15
4. 8

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491565

Option 1 ID : 3767496093

Option 2 ID : 3767496094

Option 3 ID : 3767496095

Option 4 ID : 3767496096

Status : Answered

Chosen Option : 4

Q.34

Which of the following were the initiatives taken during the third five year plan?

- A. Removal of the diploma course system.
- B. Provision for correspondence courses.
- C. Establishment of additional colleges including regional engineering colleges.
- D. Appointment of working group on technical education.
- E. Less emphasis on trained manpower.

Choose the **correct** answer from the options given below:

1. A, B and C Only
2. B, C and D Only
3. C, D and E Only
4. A, D and E Only

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491584

Option 1 ID : 3767496169

Option 2 ID : 3767496170

Option 3 ID : 3767496171

Option 4 ID : 3767496172

Status : Answered

Chosen Option : 2



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Q.35

Sound with frequencies below and above the audible frequency range are known as _____.

- A. Feeble sound
- B. Infrasound
- C. Parasound
- D. Ultrasound

Choose the **correct** answer from the options given below:

- 1. A and C
- 2. B and C
- 3. B and D
- 4. A and D

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491579**

Option 1 ID : **3767496149**

Option 2 ID : **3767496150**

Option 3 ID : **3767496151**

Option 4 ID : **3767496152**

Status : **Answered**

Chosen Option : **3**

Q.36

Which among the following are contrary propositions?

- A. All poets are dreamers
- B. Some poets are dreamers
- C. Some poets are not dreamers
- D. No squares are circles
- E. No poets are dreamers

Choose the **correct** answer from the options given below:

- 1. D and E Only
- 2. C and D Only
- 3. B and D Only
- 4. A and E Only

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491570

Option 1 ID : 3767496113

Option 2 ID : 3767496114

Option 3 ID : 3767496115

Option 4 ID : 3767496116

Status : Answered

Chosen Option : 4



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Q.37

When older media find new functions because their earlier functions are taken over by new technologies, the phenomenon is known as

1. Functional displacement
2. Alternative journalism
3. Existentialism
4. Experimentalism

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**Question ID : **3767491557**Option 1 ID : **3767496061**Option 2 ID : **3767496062**Option 3 ID : **3767496063**Option 4 ID : **3767496064**Status : **Answered**Chosen Option : **4**

Q.38

Match the **LIST-I** with **LIST-II**

LIST-I (Population Mean (μ) and $\frac{1}{N} \sum x_i^2$)		LIST-II (Population Standard Deviation (σ))	
A.	$\mu = 3, \frac{1}{N} \sum x_i^2 = 90$	I.	12
B.	$\mu = 4, \frac{1}{N} \sum x_i^2 = 116$	II.	11
C.	$\mu = 5, \frac{1}{N} \sum x_i^2 = 146$	III.	9
D.	$\mu = 6, \frac{1}{N} \sum x_i^2 = 180$	IV.	10

Choose the **correct** answer from the options given below:

1. A-I, B-II, C-III, D-IV
2. A-II, B-III, C-IV, D-I
3. A-III, B-IV, C-II, D-I
4. A-IV, B-III, C-II, D-I

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491556

Option 1 ID : 3767496057

Option 2 ID : 3767496058

Option 3 ID : 3767496059

Option 4 ID : 3767496060

Status : Answered

Chosen Option : 2

Q.39

निम्न में से कौन राष्ट्रीय मुक्त विश्वविद्यालय की स्थापना के लिए गठित समिति के अध्यक्ष थे :

1. जी. पार्थसारथी
2. जी. रामी रेड्डी
3. हरी गौतम
4. के. एल. श्रीमाली

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491583**

Option 1 ID : **3767496165**

Option 2 ID : **3767496166**

Option 3 ID : **3767496167**

Option 4 ID : **3767496168**

Status : **Answered**

Chosen Option : **4**

Q.40

Match the **LIST-I** with **LIST-II**

LIST-I (Scholar)		LIST-II (Specialization)	
A.	Brahmagupta	I.	Political Strategist
B.	Kautilya	II.	Yoga
C.	Patanjali	III.	Physician
D.	Charaka	IV.	Mathematician

Choose the **correct** answer from the options given below:

1. A-I, B-II, C-III, D-IV
2. A-II, B-III, C-IV, D-I
3. A-III, B-IV, C-I, D-II
4. A-IV, B-I, C-II, D-III

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491586

Option 1 ID : 3767496177

Option 2 ID : 3767496178

Option 3 ID : 3767496179

Option 4 ID : 3767496180

Status : Answered

Chosen Option : 4



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Q.41

According to Naiyāyikas, when we perceive one pot we perceive the universal 'potness' as its defining property due to

1. Yogaja
2. Anumāna
3. Jñāna Laksana
4. Sāmānya Laksana

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491567

Option 1 ID : 3767496101

Option 2 ID : 3767496102

Option 3 ID : 3767496103

Option 4 ID : 3767496104

Status : Answered

Chosen Option : 4

Q.42

Which of the following air pollutants causes serious health issue due to its greater affinity for hemoglobin in blood in comparison to oxygen?

1. SO₂ (Sulphur dioxide)
2. CO (Carbon Monoxide)
3. CO₂ (Carbon dioxide)
4. O₃ (Ozone)

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491581

Option 1 ID : 3767496157

Option 2 ID : 3767496158

Option 3 ID : 3767496159

Option 4 ID : 3767496160

Status : Answered

Chosen Option : 2



LIST-I (Question)		LIST-II (Answer)	
A.	The speed of a CPU is measured in _____.	I.	Inches
B.	Storage capacity of data is measured in _____.	II.	Hertz
C.	Network bandwidth is measured in _____.	III.	bits per second
D.	Size of a computer monitor is measured in _____ diagonally from corner to the opposite corner.	IV.	Bytes

Choose the **correct** answer from the options given below:

1. A-I, B-III, C-IV, D-II
2. A-III, B-II, C-I, D-IV
3. A-IV, B-I, C-II, D-III
4. A-II, B-IV, C-III, D-I

Options 1. 1

2. 2

3. 3

4. 4



Question Type : **MCQ**

Question ID : **3767491576**

Option 1 ID : **3767496137**

Option 2 ID : **3767496138**

Option 3 ID : **3767496139**

Option 4 ID : **3767496140**

Status : **Answered**

Chosen Option : **4**



Q.44

Which of the following is an independent malicious program that propagates itself across a network by exploiting security flaws in widely-used services?

1. Computer Worm
2. Computer Virus
3. Trojan Horse
4. Logic Bomb

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491574**

Option 1 ID : **3767496129**

Option 2 ID : **3767496130**

Option 3 ID : **3767496131**

Option 4 ID : **3767496132**

Status : **Answered**

Chosen Option : **2**

Q.45

Which one of the following has highest turbidity?

1. Drinking water
2. Muddy water
3. Clear Lake water
4. Ocean water

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491577**

Option 1 ID : **3767496141**

Option 2 ID : **3767496142**

Option 3 ID : **3767496143**

Option 4 ID : **3767496144**

Status : **Answered**

Chosen Option : **2**

Comprehension:

Read the following passage and answer the questions that follow.

A radical new surgery procedure, laughed at not long ago, is holding out fresh hope for patients of cardiac myopathy, or enlargement of the heart. The technique, now in India, allows patients to go home two weeks after the operation, to lead a near-normal sedentary life. Cardiac myopathy is a condition that has a variety of causative factors. An attack from one of the 20 identified viruses, parasite infection, long-term alcohol abuse and blood pressure could bring it on, and in rare cases, it could follow child birth and is even known to run in families. The condition is marked by an increase in the size of the heart's chambers and a decrease in the efficiency of pumping.

SubQuestion No : 46

Q.46

In patients suffering from cardiac myopathy there is

1. Increased heart beat
2. Slow down of the heart beat
3. Increase in the blood flow to the heart
4. Normal blood flow to the heart

Options 1. 1

2. 2

3. 3

4. 4



Question Type : **MCQ**

Question ID : **3767491589**

Option 1 ID : **3767496185**

Option 2 ID : **3767496186**

Option 3 ID : **3767496187**

Option 4 ID : **3767496188**

Status : **Answered**

Chosen Option : **2**



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Comprehension:

Read the following passage and answer the questions that follow.

A radical new surgery procedure, laughed at not long ago, is holding out fresh hope for patients of cardiac myopathy, or enlargement of the heart. The technique, now in India, allows patients to go home two weeks after the operation, to lead a near-normal sedentary life. Cardiac myopathy is a condition that has a variety of causative factors. An attack from one of the 20 identified viruses, parasite infection, long-term alcohol abuse and blood pressure could bring it on, and in rare cases, it could follow child birth and is even known to run in families. The condition is marked by an increase in the size of the heart's chambers and a decrease in the efficiency of pumping.

SubQuestion No : 47

Q.47

Cardiac myopathy is a medical condition related to

1. The heart
2. The eyes
3. The muscles of the legs
4. Body movement

Options

1. 1
2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491588

Option 1 ID : 3767496181

Option 2 ID : 3767496182

Option 3 ID : 3767496183

Option 4 ID : 3767496184

Status : Answered

Chosen Option : 1

निम्नलिखित गद्यांश को पढ़िये और नीचे दिये गये प्रश्नों के उत्तर दीजिये : Downloaded FREE from KumarEdu.com

एक आमूल परिवर्तनवादी शल्य प्रक्रिया, जिसकी हाल तक हंसी उड़ाई जाती थी, कार्डियक मायोपैथी या हृदय परिवर्धन के रोगियों के लिए नई आशा बना हुई है। अब भारत में उपलब्ध यह तकनीक ऑपरेशन के दो सप्ताह बाद रोगियों को लगभग सामान्य निष्क्रिय जीवन व्यतीत करने के लिए घर जाने देती है। कार्डियक मायोपैथी एक दशा है जिसमें कई प्रकार के कारण-वाचक कारक होते हैं। 20 चिन्हित विषाणुओं में से एक के आक्रमण, परजीवी संक्रमण, दीर्घकालिक मदिरा-पान और रक्त चाप के कारण यह हो सकता है और दुर्लभ मामलों में शिशु के जन्म के बाद हो सकता है और यहाँ तक कि परिवारों में चलते रहने के लिए भी जाना जाता है। इस दशा का लक्षण हृदय के कक्ष के आकार का बढ़ना और पम्पिंग की दक्षता में कमी आना है।

SubQuestion No : 48

Q.48 कार्डियक मायोपैथी शल्यक्रिया के बारे में निम्नलिखित में से कौन - सा सही है?

1. यह आमूल परिवर्तनवादी शल्य प्रक्रिया अब भारत में उपलब्ध है।
2. विगत में भारत में इसका असफल प्रयास हुआ था।
3. पहले शल्यक्रिया के पश्चात् रोगियों को चार सप्ताह तक अस्पताल में भर्ती रहना पड़ता था।
4. पहले यह शल्य क्रिया भारत के केवल कुछ शहरों में ही उपलब्ध थी।

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491592

Option 1 ID : 3767496197

Option 2 ID : 3767496198

Option 3 ID : 3767496199

Option 4 ID : 3767496200

Status : Answered

Chosen Option : 1

Comprehension:

Read the following passage and answer the questions that follow.

A radical new surgery procedure, laughed at not long ago, is holding out fresh hope for patients of cardiac myopathy, or enlargement of the heart. The technique, now in India, allows patients to go home two weeks after the operation, to lead a near-normal sedentary life. Cardiac myopathy is a condition that has a variety of causative factors. An attack from one of the 20 identified viruses, parasite infection, long-term alcohol abuse and blood pressure could bring it on, and in rare cases, it could follow child birth and is even known to run in families. The condition is marked by an increase in the size of the heart's chambers and a decrease in the efficiency of pumping.

SubQuestion No : 49

Q.49

Cardiac myopathy is a condition characterized by

1. A constriction of the heart
2. Reduction in the size of lungs
3. Restricted air-flow to the lungs
4. An enlargement of the heart

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491590**

Option 1 ID : **3767496189**

Option 2 ID : **3767496190**

Option 3 ID : **3767496191**

Option 4 ID : **3767496192**

Status : **Answered**

Chosen Option : **4**

निम्नलिखित गद्यांश को पढ़िये और नीचे दिये गये प्रश्नों के उत्तर दीजिये : Downloaded FREE from KumarEdu.com

एक आमूल परिवर्तनवादी शल्य प्रक्रिया, जिसकी हाल तक हंसी उड़ाई जाती थी, कार्डियक मायोपैथी या हृदय परिवर्धन के रोगियों के लिए नई आशा बना हुई है। अब भारत में उपलब्ध यह तकनीक ऑपरेशन के दो सप्ताह बाद रोगियों को लगभग सामान्य निष्क्रिय जीवन व्यतीत करने के लिए घर जाने देती है। कार्डियक मायोपैथी एक दशा है जिसमें कई प्रकार के कारण-वाचक कारक होते हैं। 20 चिन्हित विषाणुओं में से एक के आक्रमण, परजीवी संक्रमण, दीर्घकालिक मदिरा-पान और रक्त चाप के कारण यह हो सकता है और दुर्लभ मामलों में शिशु के जन्म के बाद हो सकता है और यहाँ तक कि परिवारों में चलते रहने के लिए भी जाना जाता है। इस दशा का लक्षण हृदय के कक्ष के आकार का बढ़ना और पम्पिंग की दक्षता में कमी आना है।

SubQuestion No : 50

Q.50 कार्डियक मायोपैथी के कारण-वाचक कारकों के बारे में निम्नलिखित में से कौन-सा गलत है ?

1. कतिपय चिन्हित विषाणुओं द्वारा आक्रमण
2. दीर्घकालिक मदिरा-पान
3. आवश्यकता से अधिक भोजन करना
4. वंशानुगता

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491591

Option 1 ID : 3767496193

Option 2 ID : 3767496194

Option 3 ID : 3767496195

Option 4 ID : 3767496196

Status : Answered

Chosen Option : 3

Section : Computer Science and Applications



Q.51

Choose the correct statement(s)

- A. A problem which is NP-Complete will have the property that it can be solved in polynomial time iff all other NP-complete problems can also be solved in polynomial time.
- B. All NP-complete problem are NP-hard problems.
- C. If an NP-hard problem can be solved in polynomial time, then all NP-complete problem can be solved in polynomial time
- D. All NP-hard-problems are not NP-complete.

Choose the **correct** answer from the options given below:

- 1. A, C only
- 2. B, D only
- 3. A, B, C only
- 4. A, B, C, D

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **3767491654**

Option 1 ID : **3767496445**

Option 2 ID : **3767496446**

Option 3 ID : **3767496447**

Option 4 ID : **3767496448**

Status : **Answered**

Chosen Option : **2**



Q.52

Arrange the following graph on the basis of number of edges in increasing order [for $n > 3$]

- A. K_n (Complete Graph)
- B. C_n (Cycle graph)
- C. W_n (Wheel graph)
- D. $K_{n,n}$ (Complete Bipartite Graphs)
- E. Q_n (n-cubes graph)

Choose the **correct** answer from the options given below:

- 1. A, B, C, D, E
- 2. B, A, C, D, E
- 3. A, B, C, E, D
- 4. E, D, C, A, B

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **3767491597**

Option 1 ID : **3767496217**

Option 2 ID : **3767496218**

Option 3 ID : **3767496219**

Option 4 ID : **3767496220**

Status : **Answered**

Chosen Option : **2**

Q.53

Identify the correct statements from the following regarding spiral model.

- A. Spiral model is an incremental process model.
- B. Spiral model is a risk - driven process mode.
- C. Spiral model is an acyclic balancing approach.
- D. Spiral model involves a set of anchor point milestone.

Choose the **correct** answer from the options given below:

- 1. A & B Only
- 2. B & C Only
- 3. A & D Only
- 4. B & D Only

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491644

Option 1 ID : 3767496405

Option 2 ID : 3767496406

Option 3 ID : 3767496407

Option 4 ID : 3767496408

Status : Answered

Chosen Option : 4

Q.54

Which of the following is not a divide and conquer method

- 1. Binary Search
- 2. Merge Sort
- 3. Quick Sort
- 4. Heap Sort

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491648

Option 1 ID : 3767496421

Option 2 ID : 3767496422

Option 3 ID : 3767496423

Option 4 ID : 3767496424

Status : Answered

Chosen Option : 1

Q.55

Consider a pipeline unit for fixed - point multiplication of 8-bit integers. Arrange the following stages in a correct sequence.

Stage A : Consists of two CSAs and it merges four numbers from previous stage.

Stage B : is a CPA, which adds up the two numbers

Stage C : is made upto two level of four CSAs.

Stage D : Generates eight partial products.

Choose the **correct** answer from the options given below:

1. C, A, B, D

2. D, C, A, B

3. B, D, C, A

4. A, C, D, B

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491602**

Option 1 ID : **3767496237**

Option 2 ID : **3767496238**

Option 3 ID : **3767496239**

Option 4 ID : **3767496240**

Status : **Answered**

Chosen Option : **3**

Q.56

Correct the order of instruction cycle:

- A. Read the effective address
- B. Fetch the information
- C. Execute the instruction
- D. Decode the instruction

Choose the *correct* answer from the options given below:

- 1. A, B, C, D
- 2. B, D, A, C
- 3. B, A, D, C
- 4. A, B, D, C

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491608

Option 1 ID : 3767496261

Option 2 ID : 3767496262

Option 3 ID : 3767496263

Option 4 ID : 3767496264

Status : Answered

Chosen Option : 4



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Q.57

Which of the following CFG(s) is/are in chomsky Normal form (All capital letters are variables & lower case are terminals)

$$S \rightarrow ABC / AB$$

A. $A \rightarrow a$

$$B \rightarrow b$$

$$C \rightarrow d$$

$$X \rightarrow RT / TR$$

B. $T \rightarrow t$

$$R \rightarrow XT / r$$

C. $P \rightarrow qP / sQ$

$$Q \rightarrow r / s$$

$$M \rightarrow MN / MP$$

D. $N \rightarrow nm / n$

$$P \rightarrow p$$

Choose the **correct** answer from the options given below:

1. A & B only

2. B only

3. C only

4. B & D only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491661

Option 1 ID : 3767496473

Option 2 ID : 3767496474

Option 3 ID : 3767496475

Option 4 ID : 3767496476

Status : Answered

Chosen Option : 4

Q.58

Which of the following statements are true about the sets.

- A. $0 \in \emptyset$
- B. $\emptyset \in \{0\}$
- C. $\emptyset \in \{\emptyset\}$
- D. $\{\emptyset\} \in \{\emptyset\}$
- E. $\{\emptyset\} \subset \{\emptyset, \{\emptyset\}\}$

Choose the **correct** answer from the options given below:

- 1. A, B, C, D and E
- 2. A, B, C and E only
- 3. A, C only
- 4. C and E only

- Options
- 1. 1
 - 2. 2
 - 3. 3
 - 4. 4

Question Type : MCQ

Question ID : 3767491599

Option 1 ID : 3767496225

Option 2 ID : 3767496226

Option 3 ID : 3767496227

Option 4 ID : 3767496228

Status : Answered

Chosen Option : 2

Q.59

Match the **LIST-I** with **LIST-II**

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LIST-I (FUNCTIONS)		LIST-II (Uses of functions)	
A.	fseek ()	I.	Gives the current position in the file
B.	ftell()	II.	Sets the position to the beginning of the file
C.	feof ()	III.	Sets the position to a desired point in the file
D.	rewind()	IV.	Used to test for an end of file condition.

Choose the **correct** answer from the options given below:

1. A-II, B-III, C-I, D-IV
2. A-III, B-I, C-IV, D-II
3. A-III, B-I, CII-, D-IV
4. A-II, B-IV, C-III, D-I

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491619

Option 1 ID : 3767496305

Option 2 ID : 3767496306

Option 3 ID : 3767496307

Option 4 ID : 3767496308

Status : Answered

Chosen Option : 2



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Q.60

Consider the following statements

`int x = 10, y = 15;`

`x = ((x = y) ? (y + x) : (y - x));`

What will be the value of x after executing these statements?

1. 5
2. 25
3. 15
4. 30

Options

1. 1
2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491615

Option 1 ID : 3767496289

Option 2 ID : 3767496290

Option 3 ID : 3767496291

Option 4 ID : 3767496292

Status : Answered

Chosen Option : 4

Q.61

Which of the following is the complement of the boolean function

$A'B + CD' + A'B + CD'$

1. $A'B + CD'$
2. $(A' + B)(C + D')$
3. $(A + B')(C' + D)$
4. $AB' + CD'$

Options

1. 1
2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491607

Option 1 ID : 3767496257

Option 2 ID : 3767496258

Option 3 ID : 3767496259

Option 4 ID : 3767496260

Status : Answered

Chosen Option : 3

Q.62

As per the Software Engineering Institute (SEI), the correct sequence is

- A. Initial
- B. Repeatable
- C. Managed
- D. Optimizing
- E. Defined

Choose the **correct** answer from the options given below:

- 1. A, B, C, D, E
- 2. A, B, E, C, D
- 3. A, E, C, D, B
- 4. A, E, B, C, D

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491643

Option 1 ID : 3767496401

Option 2 ID : 3767496402

Option 3 ID : 3767496403

Option 4 ID : 3767496404

Status : Answered

Chosen Option : 2

Q.63

What will be the right sequence of the phases of database design-

- A. Physical Design
- B. Conceptual Design
- C. Logical Design
- D. Requirement collection and analysis

Choose the **correct** answer from the options given below:

- 1. D, A, B, C
- 2. D, B, C, A
- 3. D, B, A, C
- 4. D, A, C, B

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491627

Option 1 ID : 3767496337

Option 2 ID : 3767496338

Option 3 ID : 3767496339

Option 4 ID : 3767496340

Status : Answered

Chosen Option : 2

Q.64

The probability that A hits a target is $\frac{1}{4}$, and the probability that B hits the target is $\frac{2}{5}$. Both shoot at the target, what is the probability that at least one of them hits the target, i.e., that A or B (or both) hit the target?

1. $\frac{3}{5}$
2. $\frac{11}{9}$
3. $\frac{2}{20}$
4. $\frac{11}{20}$

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491594**

Option 1 ID : **3767496205**

Option 2 ID : **3767496206**

Option 3 ID : **3767496207**

Option 4 ID : **3767496208**

Status : **Answered**

Chosen Option : **4**

Q.65

Find the correct sequence of prototype software development model.

- A. Start
- B. Develop Prototype
- C. Deliver to customer
- D. Quick Design
- E. Quick Play

Choose the **correct** answer from the options given below:

- 1. A, B, C, D, E
- 2. A, E, D, B, C
- 3. A, B, D, E, C
- 4. A, B, E D, C

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491642

Option 1 ID : 3767496397

Option 2 ID : 3767496398

Option 3 ID : 3767496399

Option 4 ID : 3767496400

Status : Answered

Chosen Option : 3

Q.66

Match the **LIST-I** with **LIST-II**

LIST-I (Software Risk)		LIST-II (Uses)	
A.	Predictable Risk	I.	Strategic Risk
B.	Business Risk	II.	Staffing and Organization
C.	Project Risk	III.	Implementation
D.	Past Project	IV.	Past Project Experience

Choose the **correct** answer from the options given below:

1. A-IV, B-III, C-I, D-II
2. A-III, B-II, C-I, D-IV
3. A-I, B-IV, C-III, D-II
4. A-IV, B-I, C-II, D-III

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491646

Option 1 ID : 3767496413

Option 2 ID : 3767496414

Option 3 ID : 3767496415

Option 4 ID : 3767496416

Status : Answered

Chosen Option : 4



Q.67

Which one of the following is the correct estimation model based on software equation?

1. $E = [LOC \times B^{0.222} / P]^2 \times (1/t^4)$
2. $E = [LOC \times B^{0.333} / P]^3 \times (1/t^4)$
3. $E = [LOC \times B^{0.444} / P]^4 \times (1/t^3)$
4. $E = [LOC \times B^{0.111} / P]^6 \times (1/t^3)$

Options

1. 1
2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491638

Option 1 ID : 3767496381

Option 2 ID : 3767496382

Option 3 ID : 3767496383

Option 4 ID : 3767496384

Status : Answered

Chosen Option : 3

Q.68

Which of the following does not interrupt a running process?

1. Device
2. Timer
3. Scheduler
4. Power Failure

Options

1. 1
2. 2
3. 3
4. 4



Question Type : MCQ

Question ID : 3767491635

Option 1 ID : 3767496369

Option 2 ID : 3767496370

Option 3 ID : 3767496371

Option 4 ID : 3767496372

Status : Answered

Chosen Option : 2



Q.69

Given the following processes with their times and priority (lower number indicates higher priority)

Process	Burst Time	Priority
P ₁	10	3
P ₂	1	1
P ₃	2	4
P ₄	1	5
P ₅	5	2

Which of the following is a value of average waiting time using priority scheduling algorithm?

1. 9.2
2. 6.8
3. 7.6
4. 8.2

Options

1. 1
2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491633

Option 1 ID : 3767496361

Option 2 ID : 3767496362

Option 3 ID : 3767496363

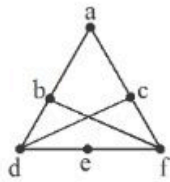
Option 4 ID : 3767496364

Status : Answered

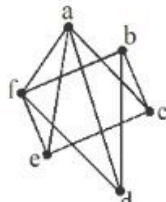
Chosen Option : 3

Q.70

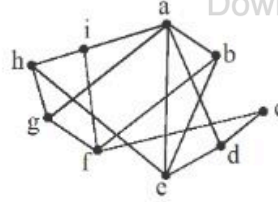
Which of the following Graph is/are planer?



(A)



(B)



(C)

Choose the **most appropriate** answer from the options given below:

1. A and C only
2. B only
3. A only
4. A and B only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491593

Option 1 ID : 3767496201

Option 2 ID : 3767496202

Option 3 ID : 3767496203

Option 4 ID : 3767496204

Status : Answered

Chosen Option : 2

Q.71

Consider the following statements regarding multiple access techniques & identify the CORRECT ones.

- A. ALOHA is used for multiple access on a shared medium
- B. TDMA uses WALSH TABLES for time slot allocation
- C. CSMA/CD was invented for wireless networks
- D. CDMA codes are sequence of number generated by orthogonal codes

Choose the **correct** answer from the options given below:

- 1. A & B only
- 2. B & C only
- 3. C & D only
- 4. A & D only

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491665

Option 1 ID : 3767496489

Option 2 ID : 3767496490

Option 3 ID : 3767496491

Option 4 ID : 3767496492

Status : Answered

Chosen Option : 4



LIST-I Algorithm		LIST-II Complexity	
A.	Insertion Sort	I.	$O(\log n)$
B.	Binary Search	II.	$O(n^2)$
C.	Quick Sort	III.	$O(n-1)$
D.	Selection Sort	IV.	$O(n \log n)$

Choose the **correct** answer from the options given below:

1. A-III, B-I, C-IV, D-II
2. A-II, B-III, C-I, D-IV
3. A-I, B-II, C-IV, D-III
4. A-II, B-III, C-IV, D-I

Options 1. 1

2. 2

3. 3

4. 4



Question Type : MCQ

Question ID : 3767491655

Option 1 ID : 3767496449

Option 2 ID : 3767496450

Option 3 ID : 3767496451

Option 4 ID : 3767496452

Status : Answered

Chosen Option : 2





Q.73

Arrange the 2-D viewing transformation pipeline.

- A. Convert world-coordinates to viewing coordinates
- B. Map viewing coordinates to normalized viewing coordinates using window - viewpoint specifications
- C. Construct world - coordinates scene using modeling - coordinates transformations
- D. Map normalized viewpoint to device coordinates

Choose the **correct** answer from the options given below:

- 1. D, C, B, A
- 2. D, C, A, B
- 3. D, A, B, D
- 4. B, C, A, D

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491617

Option 1 ID : 3767496297

Option 2 ID : 3767496298

Option 3 ID : 3767496299

Option 4 ID : 3767496300

Status : Answered

Chosen Option : 4



Q.74

The degree of a relation in database is

- 1. the number of tuples in the relation
- 2. the number of attribute in the relation
- 3. the number of values in domian
- 4. the number of keys in a relation

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491626

Option 1 ID : 3767496333

Option 2 ID : 3767496334

Option 3 ID : 3767496335

Option 4 ID : 3767496336

Status : Answered

Chosen Option : 4



Q.75

INSERT command is used to

- A. add a single tuple to a relation
- B. add multiple tuples to a relation
- C. add values to specific attributes
- D. insert new table

Choose the *correct* answer from the options given below:

- 1. A only
- 2. A, B only
- 3. A, B, C only
- 4. B, C, D only

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491629

Option 1 ID : 3767496345

Option 2 ID : 3767496346

Option 3 ID : 3767496347

Option 4 ID : 3767496348

Status : Answered

Chosen Option : 4

Q.76

Which of the following uses only increment operations for adding and removing element at either end?

- 1. Queues
- 2. Stacks
- 3. Priority Queues
- 4. Deques

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491649

Option 1 ID : 3767496425

Option 2 ID : 3767496426

Option 3 ID : 3767496427

Option 4 ID : 3767496428

Status : Answered

Chosen Option : 1



Q.77

Match the **LIST-I** with **LIST-II**

LIST-I		LIST-II	
A.	$(100110011)_2$	I.	Error detection code
B.	Complements	II.	CISC
C.	Parity Bits	III.	Negative number
D.	Variable length instruction	IV.	$(133)_{16}$

Choose the **correct** answer from the options given below:

1. A-IV, B-I, C-III, D-II
2. A-IV, B-III, C-I, D-II
3. A-IV, B-II, C-III, D-I
4. A-I, B-IV, C-II, D-III

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491612

Option 1 ID : 3767496277

Option 2 ID : 3767496278

Option 3 ID : 3767496279

Option 4 ID : 3767496280

Status : Answered

Chosen Option : 1



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Q.78

Software Testability is simply how easily a software program can be tested. Which one characteristics does not lead to testable software?

1. Observability
2. Controllability
3. Repairability
4. Understandability

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491641

Option 1 ID : 3767496393

Option 2 ID : 3767496394

Option 3 ID : 3767496395

Option 4 ID : 3767496396

Status : Answered

Chosen Option : 4

Q.79

Arrange the following steps of the DHCP (Dynamic Host Control Protocol) process in the correct - sequence.

- A. DHC PACK
- B. DHCP DISCOVER
- C. DHCP OFFER
- D. DHCP REQUEST
- E. Client receives IP configuration

Choose the **correct** answer from the options given below:

1. A, B, C, D, E
2. B, C, D, A, E
3. C, B, A, E, D
4. D, A, E, C, B

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491664

Option 1 ID : 3767496485

Option 2 ID : 3767496486

Option 3 ID : 3767496487

Option 4 ID : 3767496488

Status : Answered

Chosen Option : 4

Q.80

y_{acc} is which of the following parsers?

1. Predictive Parser
2. SLR Parser
3. CLR Parser
4. LALR Parser

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491659**

Option 1 ID : **3767496465**

Option 2 ID : **3767496466**

Option 3 ID : **3767496467**

Option 4 ID : **3767496468**

Status : **Answered**

Chosen Option : **3**



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Q.81

Match the **LIST-I** with **LIST-II**

LIST-I		LIST-II	
A.	Decision Tree	I.	Delta Learning Rule
B.	Supervised Learning	II.	Self Organizing Map
C.	Artificial Neural Network	III.	C4.5 Algorithm
D.	Instance base Learning	IV.	Non-linear Regression Algorithm

Choose the **correct** answer from the options given below:

1. A-I, B-II, C-III, D-IV
2. A-II, B-III, C-IV, D-I
3. A-III, B-IV, C-I, D-II
4. A-IV, B-I, C-II, D-III

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491682

Option 1 ID : 3767496557

Option 2 ID : 3767496558

Option 3 ID : 3767496559

Option 4 ID : 3767496560

Status : Answered

Chosen Option : 4



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LIST-I		LIST-II	
A.	Project Join Normal Form	I.	Concurrency
B.	The lost update problem	II.	Fifth Normal Form
C.	Discretionary Access Control	III.	SQL
D.	Data manipulation Language	IV.	Security

Choose the **correct** answer from the options given below:

1. A-II, B-I, C-IV, D-III
2. A-I, B-II, C-IV, D-III
3. A-I, B-II, C-III, D-IV
4. A-IV, B-II, C-III, D-I

Options 1. 1

2. 2

3. 3

4. 4



Question Type : MCQ

Question ID : 3767491630

Option 1 ID : 3767496349

Option 2 ID : 3767496350

Option 3 ID : 3767496351

Option 4 ID : 3767496352

Status : Answered

Chosen Option : 1



Q.83

Arrange the following steps of the Inorder Traversal of Binary Tree in the correct order.

- A. Visit the Left subtree
- B. Visit the Root node
- C. Visit the Right subtree
- D. Start traversing by visiting the nodes in rooted tree
- E. Repeat the above three steps.

Choose the **correct** answer from the options given below:

- 1. A, B, C, D, E
- 2. E, A, B, C, D
- 3. D, A, B, C, E
- 4. D, A, E, B, C

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **3767491652**

Option 1 ID : **3767496437**

Option 2 ID : **3767496438**

Option 3 ID : **3767496439**

Option 4 ID : **3767496440**

Status : **Answered**

Chosen Option : **3**

Match the **LIST-I** with **LIST-II**

LIST-I (Process)		LIST-II (Functions)	
A.	Internet message Access Protocol (IMAP)	I.	A protocol that allows email clients to retrieve emails from a mail server
B.	Address Resolution Protocol (ARP)	II.	Used for remove login to another computer over a network
C.	Post Office Protocol (POP)	III.	A protocol that maps IP addresses to MAC addresses on a local area network
D.	TELNET	IV.	A protocol that allows accessing email on the server without downloading them

Choose the **correct** answer from the options given below:

1. A-II, B-I, C-III, D-IV
2. A-III, B-IV, C-I, D-II
3. A-IV, B-III, C-I, D-II
4. A-IV, B-III, C-II, D-I

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491672

Option 1 ID : 3767496517

Option 2 ID : 3767496518

Option 3 ID : 3767496519

Option 4 ID : 3767496520

Status : Answered

Chosen Option : 2

Q.85

A linear programming problem (LPP) is as follows:

Min $z=30x-18y$, subject to the constraints; $3x+4y \leq 60$, $5x-3y \geq 20$ and $x,y \geq 0$. In this feasible region, the solution of LPP is/are

- A. (4, 0)
- B. (2, 0)
- C. (7, 5)
- D. (0, 15)
- E. (8,5)

Choose the **correct** answer from the options given below:

- 1. A and C only
- 2. B only
- 3. E only
- 4. D only

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491598

Option 1 ID : 3767496221

Option 2 ID : 3767496222

Option 3 ID : 3767496223

Option 4 ID : 3767496224

Status : Answered

Chosen Option : 1

Q.86

Which of the following is the simplified form of the given function.

$f(A,B,C)=\sum m(0,1,3,7)$

- 1. $A'B'C'+A'B'C+A'BC+ABC$
- 2. $A'B'+A'BC+ABC$
- 3. $A'B'+BC$
- 4. $A'B'+BC'$

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491606

Option 1 ID : 3767496253

Option 2 ID : 3767496254

Option 3 ID : 3767496255

Option 4 ID : 3767496256

Status : Answered

Chosen Option : 3



Q.87

Which of the following is not a component of the classic Planning Definition?

1. Init
2. Domain
3. Action
4. Goal

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491678**

Option 1 ID : **3767496541**

Option 2 ID : **3767496542**

Option 3 ID : **3767496543**

Option 4 ID : **3767496544**

Status : **Answered**

Chosen Option : **2**



Q.88

Match the **LIST-I** with **LIST-II**

LIST-I		LIST-II	
A.	Type - 0 grammar	I.	Linear Grammar
B.	Type - 1 grammar	II.	GNF
C.	Type - 2 grammar	III.	$x \rightarrow y, x < y ; x, y \in \{V \cup T\}^*$
D.	Type - 3 grammar	IV.	Recursively Enumerable

Choose the **correct** answer from the options given below:

1. A-I, B-II, C-III, D-IV
2. A-II, B-I, C-III, D-IV
3. A-III, B-II, C-IV, D-I
4. A-IV, B-III, C-I, D-II

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491662

Option 1 ID : 3767496477

Option 2 ID : 3767496478

Option 3 ID : 3767496479

Option 4 ID : 3767496480

Status : Answered

Chosen Option : 4

Q.89

The network using CSMA/CD has a bandwidth of 20 mbps. If the maximum propagation time is 25μ sec (microsecond), what is the minimum size of the frame?

1. 500 bits
2. 1000 bits
3. 1500 bits
4. 2000 bits

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491669**

Option 1 ID : **3767496505**

Option 2 ID : **3767496506**

Option 3 ID : **3767496507**

Option 4 ID : **3767496508**

Status : **Answered**

Chosen Option : **3**

Q.90

Match the **LIST-I** with **LIST-II**

LIST-I		LIST-II	
A.	RAID level 1	I.	bit-interleaved parity organization
B.	RAID level 2	II.	disk mirroring
C.	RAID level 3	III.	block-interleaved parity organization
D.	RAID level 4	IV.	ECC organization

Choose the **correct** answer from the options given below:

1. A-II, B-I, C-IV, D-III
2. A-II, B-IV, C-I, D-III
3. A-III, B-IV, C-I, D-II
4. A-IV, B-III, C-II, D-I

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491632

Option 1 ID : 3767496357

Option 2 ID : 3767496358

Option 3 ID : 3767496359

Option 4 ID : 3767496360

Status : Answered

Chosen Option : 2



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Q.91

Choose the correct statements from the following

- A. In connection oriented service, the destination address is to be specified only during the setup.
- B. Packet sequencing is not guaranteed in connection oriented service
- C. Flooding is method in which every incoming packet is sent out on every outgoing line except the one by which it arrived.
- D. Presentation layer performs detection and recovery from errors in the transmitted data.

Choose the **correct** answer from the options given below:

- 1. A, B & C only
- 2. B, C & D only
- 3. A & C only
- 4. A, C & D only

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **3767491674**

Option 1 ID : **3767496525**

Option 2 ID : **3767496526**

Option 3 ID : **3767496527**

Option 4 ID : **3767496528**

Status : **Answered**

Chosen Option : **2**



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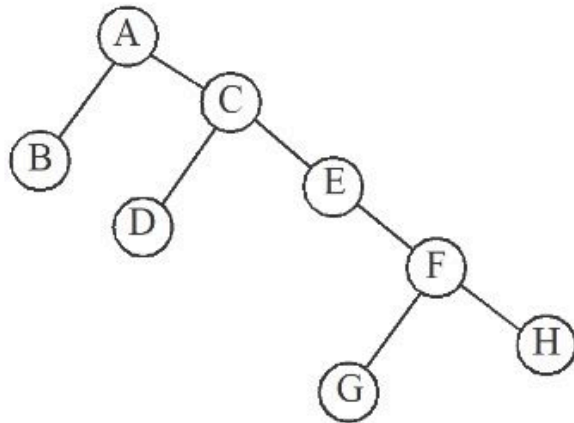
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Considering above binary tree, what will be the inorder traversal

1. B A D C E G F H
2. G H F E D C B A
3. B A C D E G F H
4. G H F D E B C A

Options 1. 1

2. 2

3. 3

4. 4

Q.93

Which of the following command can be used to modify data in an SQL Table?

- A. INSERT
- B. DELETE
- C. UPDATE
- D. SELECT

Choose the **correct** answer from the options given below:

- 1. A, B, D only
- 2. A, C, D only
- 3. B, C, D only
- 4. A, B, C only

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491622

Option 1 ID : 3767496317

Option 2 ID : 3767496318

Option 3 ID : 3767496319

Option 4 ID : 3767496320

Status : Answered

Chosen Option : 4

Q.94

Which one of the following is not the part of requirement management?

- 1. Features Traceability Table
- 2. Dependency Traceability Table
- 3. Interface Traceability Table
- 4. Page Traceability Table

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491640

Option 1 ID : 3767496389

Option 2 ID : 3767496390

Option 3 ID : 3767496391

Option 4 ID : 3767496392

Status : Answered

Chosen Option : 4

Q.95

Which of the following represents the output of the transition function(δ)

$$\delta(q_0, a) = (q_1, x, R)$$

$$\delta(q_1, a) = (q_1, a, R)$$

$$\delta(q_1, y) = (q_1, y, R)$$

$$\delta(q_1, b) = (q_2, y, L)$$

$$\delta(q_2, y) = (q_2, y, L)$$

$$\delta(q_2, a) = (q_2, a, L)$$

$$\delta(q_2, x) = (q_0, x, R)$$

$$\delta(q_0, y) = (q_3, y, R)$$

$$\delta(q_3, y) = (q_3, y, R)$$

$$\delta(q_3, \square) = (q_f, \square, R)$$

1. $L = \{a^n b^n | n \geq 0\}$

2. $L = \{a^n b^n | n \geq 1\}$

3. $L = \{a^n b^n | n > 0\}$

4. $L = \{a^n b^n | n > 1\}$

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491658

Option 1 ID : 3767496461

Option 2 ID : 3767496462

Option 3 ID : 3767496463

Option 4 ID : 3767496464

Status : Answered

Chosen Option : 4



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Q.96

Collaborative document inspection technique used for?

1. Requirement Validation Process
2. Requirement Verification Process
3. Integration Testing
4. Blackbox Testing

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491639**

Option 1 ID : **3767496385**

Option 2 ID : **3767496386**

Option 3 ID : **3767496387**

Option 4 ID : **3767496388**

Status : **Answered**

Chosen Option : **2**



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Q.97

In Software Engineering Jackson's Principle based on

- A. Designation
- B. Definitions
- C. Refutable Assertions
- D. Formal Review
- E. Requirement Elicitation

Choose the **correct** answer from the options given below:

- 1. A, B & C Only
- 2. B, C & D Only
- 3. C, D & E Only
- 4. B, D & C Only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491645

Option 1 ID : 3767496409

Option 2 ID : 3767496410

Option 3 ID : 3767496411

Option 4 ID : 3767496412

Status : Answered

Chosen Option : 3



Q.98

Which of the following description(s) is/are true:

- A. Red Black Tree - Guarantees worst case of $O(\log n)$ time for search, insert & delete.
- B. Trie - Used for efficient prefix - based searches.
- C. AVL Tree - self balancing binary search tree with stricter balance criteria.
- D. B- Tree - Allows efficient search, insert, delete operations in disk based system.

Choose the **correct** answer from the options given below:

- 1. A & B only
- 2. C & D only
- 3. B only
- 4. A, B & D only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491647

Option 1 ID : 3767496417

Option 2 ID : 3767496418

Option 3 ID : 3767496419

Option 4 ID : 3767496420

Status : Answered

Chosen Option : 4



Q.99

The kind of symbols for basic syntactic elements of first-order logic are

- A. Constant
- B. Domain
- C. Predicate
- D. Temporal
- E. Function

Choose the *correct* answer from the options given below:

- 1. B, D only
- 2. A, B, C only
- 3. A, C, E only
- 4. C, D only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491681

Option 1 ID : 3767496553

Option 2 ID : 3767496554

Option 3 ID : 3767496555

Option 4 ID : 3767496556

Status : Answered

Chosen Option : 4

Q.100

Which of the following is the correct sequence with regard to service routine?

- A. Save contents of processor registers
- B. Turn the interrupt facility on
- C. Service the device whose flag is set
- D. Check which flag is set
- E. Restore contents of processor registers

Choose the **correct** answer from the options given below:

- 1. A, B, C, D, E
- 2. D, B, C, A, E
- 3. D, C, B, E, A
- 4. A, D, C, E, B

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491609

Option 1 ID : 3767496265

Option 2 ID : 3767496266

Option 3 ID : 3767496267

Option 4 ID : 3767496268

Status : Answered

Chosen Option : 3

Q.101

Match the **LIST-I** with **LIST-II**

LIST-I		LIST-II	
A.	Breadth First Search	I.	LISP
B.	Depth First Search	II.	Syntax tree
C.	Prefix	III.	Stack
D.	Infix	IV.	Queue

Choose the **correct** answer from the options given below:

1. A-III, B-IV, C-I, D-II
2. A-III, B-IV, C-II, D-I
3. A-IV, B-II, C-III, D-I
4. A-IV, B-III, C-I, D-II

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491656

Option 1 ID : 3767496453

Option 2 ID : 3767496454

Option 3 ID : 3767496455

Option 4 ID : 3767496456

Status : Answered

Chosen Option : 4

Q.102 Definition's of ___ organized into following four categories namely, Thinking Humanly, Thinking Rationally, Acting Humanly, Acting Rationally

1. Machine Learning
2. Deep Learning
3. Artificial Intelligence
4. Neural Network

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**
Question ID : **3767491675**
Option 1 ID : **3767496529**
Option 2 ID : **3767496530**
Option 3 ID : **3767496531**
Option 4 ID : **3767496532**
Status : **Answered**
Chosen Option : **3**

Q.103 Which of the following algorithms are based on the Breadth First Search (BFS) ?

- A. Prim's algorithms
- B. Kruskal algorithms
- C. Dijkstra algorithms
- D. Greedy algorithms
- E. Dynamic Programming

Choose the **correct** answer from the options given below:

1. A & B only
2. A, C & D only
3. D & E only
4. A & C only

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**
Question ID : **3767491653**
Option 1 ID : **3767496441**
Option 2 ID : **3767496442**
Option 3 ID : **3767496443**
Option 4 ID : **3767496444**
Status : **Answered**
Chosen Option : **2**

Q.104

Regarding the code optimization, choose the correct sequence

- A. Algebraic Simplification
- B. Use of machine idioms
- C. Redundant - instruction elimination
- D. Flow of control optimization
- E. Improved target code

Choose the *correct* answer from the options given below:

- 1. A, C, B, D, E
- 2. B, C, D, A, E
- 3. C, D, A, B, E
- 4. D, B, A, C, E

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491660

Option 1 ID : 3767496469

Option 2 ID : 3767496470

Option 3 ID : 3767496471

Option 4 ID : 3767496472

Status : Answered

Chosen Option : 2

Q.105

If x and y are elements in a group G and if $x^5 = y^3 = e$, where e is the identity of G , then the inverse of $x^2yx^4y^2$ must be

1. $y^2xy^2x^4$
2. xyx^2x^3
3. $yx^6y^6x^3$
4. $x^4y^2x^2y$

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491595**

Option 1 ID : **3767496209**

Option 2 ID : **3767496210**

Option 3 ID : **3767496211**

Option 4 ID : **3767496212**

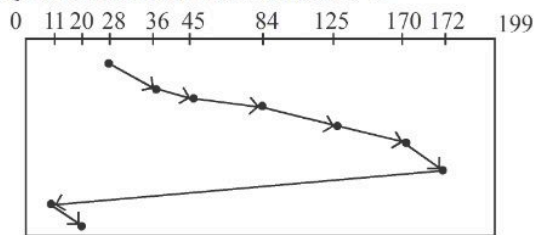
Status : **Answered**

Chosen Option : **4**

Q.106

Consider the following Graph of disk scheduling and identify the disk scheduling algorithm representing by this graph.

Queue 84, 125, 11, 36, 170, 20, 172, 45



1. SSTF
2. SCAN
3. C-SCAN
4. C-LOOK

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491637**

Option 1 ID : **3767496377**

Option 2 ID : **3767496378**

Option 3 ID : **3767496379**

Option 4 ID : **3767496380**

Status : **Answered**

Chosen Option : **3**

Q.107 If the virtual memory size is 32 MB and a physical memory size is 4MB with a page size of 2KB, Calculate the number of frames available in physical memory

1. 1024
2. 2048
3. 3072
4. 4096

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491634**

Option 1 ID : **3767496365**

Option 2 ID : **3767496366**

Option 3 ID : **3767496367**

Option 4 ID : **3767496368**

Status : **Answered**

Chosen Option : **2**

Q.108 The mathematical notation to describe logical entailment of a sentence “ α entails another sentence β ” is

1. $\alpha \models \beta$
2. $\alpha \subseteq \beta$
3. $\beta \models \alpha$
4. $\beta \subseteq \alpha$

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491677**

Option 1 ID : **3767496537**

Option 2 ID : **3767496538**

Option 3 ID : **3767496539**

Option 4 ID : **3767496540**

Status : **Answered**

Chosen Option : **2**



Q.109 Which of the following/s is/are FALSE statement?

- A. An all key relation is always in BCNF since it has no FDs.
- B. A relation that is not in 4NF due to nontrivial MVD must be decomposed to convert it into a set of relations in 4NF.
- C. The decomposition removes the redundancy by the MVD.
- D. 3NF is stronger than BCNF.

Choose the **correct** answer from the options given below:

- 1. A only
- 2. A, B only
- 3. D only
- 4. C only

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **3767491628**

Option 1 ID : **3767496341**

Option 2 ID : **3767496342**

Option 3 ID : **3767496343**

Option 4 ID : **3767496344**

Status : **Answered**

Chosen Option : **4**



Q.110

Which of the following are correct for the neural network?

- A. The training time depends upon the size of network.
- B. Neural network can be simulated on the conventional computer.
- C. Neural network mimic the same way as that of the humans brain.
- D. A neural network include feedback.

Choose the **correct** answer from the options given below:

- 1. A and B only
- 2. A, C and D only
- 3. A, B and C only
- 4. A and C only

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491680

Option 1 ID : 3767496549

Option 2 ID : 3767496550

Option 3 ID : 3767496551

Option 4 ID : 3767496552

Status : Answered

Chosen Option : 2

Q.111

Which of the following is TRUE about the Pumping Lemma for regular language?

- 1. It applies to all regular language
- 2. It applies only to infinite regular languages
- 3. It applies to all context - free languages
- 4. It applies to all recursively enumerable languages

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 3767491657

Option 1 ID : 3767496457

Option 2 ID : 3767496458

Option 3 ID : 3767496459

Option 4 ID : 3767496460

Status : Answered

Chosen Option : 2



Q.112 Consider a noiseless channel with a bandwidth of 5000Hz transmitting a signal with two signal levels. The maximum bit rate is

1. 2500 bps
2. 10000 bps
3. 5000 bps
4. 20000 bps

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491667**

Option 1 ID : **3767496497**

Option 2 ID : **3767496498**

Option 3 ID : **3767496499**

Option 4 ID : **3767496500**

Status : **Answered**

Chosen Option : **2**

Q.113 Arrange the following in the increasing order with respect to access time.

- A. Solid State Drive
- B. Optical Disks
- C. DRAMs
- D. SRAMs
- E. Registers

Choose the **correct** answer from the options given below:Downloaded FREE from KumarEdu.com

1. D, C, A, B, E
2. B, D, C, A, E
3. A, E, B, D, C
4. E, D, C, A, B

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491603**

Option 1 ID : **3767496241**

Option 2 ID : **3767496242**

Option 3 ID : **3767496243**

Option 4 ID : **3767496244**

Status : **Answered**

Chosen Option : **4**





Q.114 The light given off by the phosphor during exposure to the electron beam is known as

1. Fluorescence
2. Phosphorescence
3. Persistence
4. Retracing

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491616**

Option 1 ID : **3767496293**

Option 2 ID : **3767496294**

Option 3 ID : **3767496295**

Option 4 ID : **3767496296**

Status : **Answered**

Chosen Option : **2**

Q.115 Which one of the following is not related to the feed forward networks on the Backpropagation Algorithm

1. Boolean function
2. Continuous function
3. Arbitrary function
4. Greedy function

Options 1. 1

2. 2
3. 3
4. 4



Question Type : **MCQ**

Question ID : **3767491676**

Option 1 ID : **3767496533**

Option 2 ID : **3767496534**

Option 3 ID : **3767496535**

Option 4 ID : **3767496536**

Status : **Answered**

Chosen Option : **2**





Q.116 Which of the following statement is not True?

1. A data member of a class can be declared as static and is normally used to maintain values common to the entire class.
2. A friend function can be invoked like a normal function without the help of any object.
3. The scope resolution operator (::) can be overloaded like normal operators
4. Multiple inheritance may lead to duplication of inherited members from a "Grandparent" base class. This may be avoided by making the common base class a virtual base class.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491613

Option 1 ID : 3767496281

Option 2 ID : 3767496282

Option 3 ID : 3767496283

Option 4 ID : 3767496284

Status : Answered

Chosen Option : 3

Q.117 Which of the following are key features of Mobile Adhoc Networks (MANETs)

- A. Self - Organizing and decentralized.
- B. High Mobility of nodes.
- C. Requires fixed Infrastructure for operation.
- D. Network Topology is dynamic and constantly changing.
- E. It requires a central controller to manage network traffic.

Choose the **correct** answer from the options given below:

1. A, B & E only
2. B, C, D & E only
3. A, B & D only
4. A, B & C only

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491673

Option 1 ID : 3767496521

Option 2 ID : 3767496522

Option 3 ID : 3767496523

Option 4 ID : 3767496524

Status : Answered

Chosen Option : 4



Q.118 Which of the following table contains the primary information in the data warehouse?

1. Dimension table
2. Fact table
3. Lookup table
4. Primary table

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491624**

Option 1 ID : **3767496325**

Option 2 ID : **3767496326**

Option 3 ID : **3767496327**

Option 4 ID : **3767496328**

Status : **Answered**

Chosen Option : **4**



LIST-I		LIST-II	
A.	Service Level Agreement	I.	The technology that connects and enables communication between physical devices over the Internet.
B.	Virtualization	II.	A develop environment provides over the Internet to create and deploy applications.
C.	Internet of Things	III.	Contracts that specify performance standards and services availability.
D.	Platform as a service	IV.	A method allowing multiple operating system to run on a single physical server

Choose the **correct** answer from the options given below:

1. A-III, B-II, C-I, D-IV
2. A-III, B-IV, C-I, D-II
3. A-III, B-I, C-IV, D- I
4. A-I, B-IV, C-III, D-II

Options 1. 1

2. 2

3. 3

4. 4



Question Type : **MCQ**

Question ID : **3767491671**

Option 1 ID : **3767496513**

Option 2 ID : **3767496514**

Option 3 ID : **3767496515**

Option 4 ID : **3767496516**

Status : **Answered**

Chosen Option : **2**



Q.120

In concurrency control, phantom problem may occur, when-

1. records are inserted
2. records are deleted
3. records are modified
4. records are indexed

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491623**

Option 1 ID : **3767496321**

Option 2 ID : **3767496322**

Option 3 ID : **3767496323**

Option 4 ID : **3767496324**

Status : **Answered**

Chosen Option : **4**

Q.121

Which are often needed to evaluate the cache performance?

1. Hit Ratio
2. Latency
3. Cache Traces
4. Transfer Rate

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491605**

Option 1 ID : **3767496249**

Option 2 ID : **3767496250**

Option 3 ID : **3767496251**

Option 4 ID : **3767496252**

Status : **Answered**

Chosen Option : **4**



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Q.122 Consider following conditional statements if $(m == 20 - 10 \parallel n > 10)$. The order of execution of the following operations is

- A. ==
- B. -
- C. ||
- D. >

Choose the **correct** answer from the options given below:

- 1. D, B, A, C
- 2. B, D, C, A
- 3. B, D, A, C
- 4. A, B, D, C

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**
Question ID : **3767491618**
Option 1 ID : **3767496301**
Option 2 ID : **3767496302**
Option 3 ID : **3767496303**
Option 4 ID : **3767496304**
Status : **Answered**
Chosen Option : **1**

Q.123

Sequence the following stages of the sliding window protocol for flow control.

- A. Sender move the window to the next set of frames.
- B. Sender sends a window of frames.
- C. Receiver acknowledge the received frames.
- D. If acknowledgment is not received, Sender retransmits the frame.

Choose the **correct** answer from the options given below:

- 1. B, A, C, D
- 2. B, C, D, A
- 3. B, D, C, A
- 4. B, C, A, D

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491670**

Option 1 ID : **3767496509**

Option 2 ID : **3767496510**

Option 3 ID : **3767496511**

Option 4 ID : **3767496512**

Status : **Answered**

Chosen Option : **4**



LIST-I Boolean Algebra Law		LIST-II Axioms	
A.	Absorption Law	I.	$a+1=1$
B.	Bounded Law	II.	$a+0=a$
C.	Identity Law	III.	$a*(b+c)=(a*b)+(a*c)$
D.	Distributive Law	IV.	$a+(a*b)=a$

Choose the **correct** answer from the options given below:

1. A-IV, B-I, C-II, D-III
2. A-IV, B-III, C-I, D-II
3. A-III, B-IV, C-II, D-I
4. A-II, B-III, C-IV, D-I

Options 1. 1

2. 2

3. 3

4. 4



Question Type : **MCQ**

Question ID : **3767491601**

Option 1 ID : **3767496233**

Option 2 ID : **3767496234**

Option 3 ID : **3767496235**

Option 4 ID : **3767496236**

Status : **Answered**

Chosen Option : **3**





Q.125 Which of the following is not true about Global Variables:

1. The values of the Global variables which are sent to the called function may be changed inadvertently by the called function.
2. Functions are supposed to be independent and isolated modules. This character is lost, if they use global variables.
3. It is not immediately apparent to the reader which values are being sent to the called function
4. A function that uses global variables does not suffer from reusability.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491614**

Option 1 ID : **3767496285**

Option 2 ID : **3767496286**

Option 3 ID : **3767496287**

Option 4 ID : **3767496288**

Status : **Answered**

Chosen Option : **2**

Q.126 The primary function of firewall in network security is

1. To monitor network traffic and detect anomalies.
2. To create virtual private networks for secure communication.
3. To filter incoming and outgoing network traffic based on security rules
4. To encrypt data before Transmission.

Options 1. 1

2. 2
3. 3
4. 4



Question Type : **MCQ**

Question ID : **3767491668**

Option 1 ID : **3767496501**

Option 2 ID : **3767496502**

Option 3 ID : **3767496503**

Option 4 ID : **3767496504**

Status : **Answered**

Chosen Option : **3**





Q.127 The characteristics of modern programming are :

- A. Each module should do only one thing.
- B. Communication between modules is allowed only by a calling module.
- C. Communication can take place directly between modules that do not have calling - called relationship.
- D. All modules are designed as single-entry, single exit systems using control structure.

Choose the **correct** answer from the options given below:

- 1. A, B & C only
- 2. A, B & D only
- 3. A, C & D only
- 4. C & D only

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **3767491621**

Option 1 ID : **3767496313**

Option 2 ID : **3767496314**

Option 3 ID : **3767496315**

Option 4 ID : **3767496316**

Status : **Answered**

Chosen Option : **2**

Q.128 Which table for a dynamic pipeline become more interesting when a nonlinear pattern is follows?

- 1. Reservation Table
- 2. Confusion Table
- 3. Inverted Table
- 4. Greedy Table

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **3767491604**

Option 1 ID : **3767496245**

Option 2 ID : **3767496246**

Option 3 ID : **3767496247**

Option 4 ID : **3767496248**

Status : **Answered**

Chosen Option : **4**





Q.129 What is the correct sequence of steps used by knowledge base designing?

- A. Ask questions about the intended interpretation.
- B. Chose task domain or world to represent.
- C. Select atoms to represent propositions of Interest.
- D. Tells the system propositions that are true in the intended interpretation/axiomatizing the domain.

Choose the **correct** answer from the options given below:

- 1. A, B, C, D
- 2. B, C, D, A
- 3. C, D, A, B
- 4. D, A, B, C

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **3767491679**

Option 1 ID : **3767496545**

Option 2 ID : **3767496546**

Option 3 ID : **3767496547**

Option 4 ID : **3767496548**

Status : **Answered**

Chosen Option : **2**





LIST-I		LIST-II	
A.	Conflict Resolution	I.	Three - Address Code
B.	Common Subsequence	II.	Precedence
C.	Quadruples	III.	Syntax Directed Translations
D.	L-Attributed definitions	IV.	Direct Acyclic Graph (DAG)

Choose the **correct** answer from the options given below:

1. A-III, B-II, C-IV, D-I
2. A-II, B-IV, C-I, D-III
3. A-II, B-III, C-I, D-IV
4. A-IV, B-I, C-II, D-III

Options 1. 1

2. 2

3. 3

4. 4



Question Type : MCQ

Question ID : 3767491663

Option 1 ID : 3767496481

Option 2 ID : 3767496482

Option 3 ID : 3767496483

Option 4 ID : 3767496484

Status : Answered

Chosen Option : 1



Q.131

Match the **LIST-I** with **LIST-II**: Match the logical equivalence propositions

LIST-I		LIST-II	
A.	$p \rightarrow q$	I.	$(p \wedge q) \vee (\neg p \wedge \neg q)$
B.	$\neg(p \vee (\neg p \wedge q))$	II.	$\neg p \vee q$
C.	$p \leftrightarrow q$	III.	$\neg(p \vee q)$
D.	$\neg(p \leftrightarrow q)$	IV.	$\neg p \leftrightarrow q$

Choose the **correct** answer from the options given below:

1. A-I, B-III, C-II, D-IV
2. A-I, B-II, C-III, D-IV
3. A-II, B-III, C-I, D-IV
4. A-II, B-III, C-IV, D-I

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491600

Option 1 ID : 3767496229

Option 2 ID : 3767496230

Option 3 ID : 3767496231

Option 4 ID : 3767496232

Status : Answered

Chosen Option : 3

Q.132

Which of the following are not data manipulation instructions?

- A. Call
- B. Loud
- C. And
- D. Increment
- E. Shift

Choose the *correct* answer from the options given below:

- 1. C & E only
- 2. A & B only
- 3. D & E only
- 4. A & C only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491610

Option 1 ID : 3767496269

Option 2 ID : 3767496270

Option 3 ID : 3767496271

Option 4 ID : 3767496272

Status : Answered

Chosen Option : 4

Q.133

An alternate key in database table is also called

1. Primary key
2. Candidate key
3. Super key
4. Foreign key

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491625

Option 1 ID : 3767496329

Option 2 ID : 3767496330

Option 3 ID : 3767496331

Option 4 ID : 3767496332

Status : Answered

Chosen Option : 4

Q.134

Which one of the following is not a basic solution of system of linear equation

$$x_1 + 2x_2 + x_3 = 4$$

$$2x_1 + x_2 + 5x_3 = 5$$

1. $x_1 = -1, x_2 = 2, x_3 = 1$
2. $x_1 = 2, x_2 = 1$
3. $x_1 = 5, x_3 = -1$
4. $x_2 = 5/3, x_3 = 2/3$

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491596

Option 1 ID : 3767496213

Option 2 ID : 3767496214

Option 3 ID : 3767496215

Option 4 ID : 3767496216

Status : Answered

Chosen Option : 3



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Q.135

Which of the following is the solution of the following recurrence relation

$$T(n) = T(2n/3) + 1?$$

1. $\theta(n^2)$
2. $\theta(\log n)$
3. $\theta(n \log n)$
4. $\theta(n^{3/2})$

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491651**

Option 1 ID : **3767496433**

Option 2 ID : **3767496434**

Option 3 ID : **3767496435**

Option 4 ID : **3767496436**

Status : **Answered**

Chosen Option : **3**

Q.136

Match the **LIST-I** with **LIST-II**

LIST-I		LIST-II	
A.	Hadoop Distribution File System	I.	Trust
B.	Veracity	II.	Facebook
C.	Apache Pig	III.	Name-Node
D.	Apache Hive	IV.	Yahoo

Choose the **correct** answer from the options given below:

1. A-IV, B-III, C-I, D-II
2. A-III, B-I, C-II, D-IV
3. A-III, B-I, C-IV, D-II
4. A-II, B-III, C-I, D-IV

Options 1. 1

2. 2

3. 3

4. 4



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Question Type : MCQ

Question ID : 3767491631

Option 1 ID : 3767496353

Option 2 ID : 3767496354

Option 3 ID : 3767496355

Option 4 ID : 3767496356

Status : Answered

Chosen Option : 2



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Q.137

Which of the following do not represent memory reference instruction.

- A.

1	opcode	
---	--------	--

 mode = 1, opcode = 010
- B.

0	opcode	
---	--------	--

 mode = 0, opcode = 111
- C.

1	opcode	
---	--------	--

 mode = 1, opcode = 111
- D.

1	opcode	
---	--------	--

 mode = 1, opcode = 110
- E.

1	opcode	
---	--------	--

 mode = 1, opcode = 001

Choose the **correct** answer from the options given below:

1. B & C only
2. B & D only
3. A & D only
4. A & E only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491611

Option 1 ID : 3767496273

Option 2 ID : 3767496274

Option 3 ID : 3767496275

Option 4 ID : 3767496276

Status : Answered

Chosen Option : 1

Q.138

The major adverse side effects of scan conversion are :-

- A. Staircase appearance
- B. Unequal brightness of slanted lines
- C. Picket fence problem
- D. Rasterization
- E. Pre-filtering and Post-filtering

Choose the **correct** answer from the options given below:

- 1. A & B only
- 2. A, B & C only
- 3. B, C & D only
- 4. C, D & E only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491620

Option 1 ID : 3767496309

Option 2 ID : 3767496310

Option 3 ID : 3767496311

Option 4 ID : 3767496312

Status : Answered

Chosen Option : 4

Q.139 The entire set of parameters, including return address that is stored for a procedure invocation is referred to

1. stack frame
2. stack base
3. stack limit
4. stack record

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**
Question ID : **3767491636**
Option 1 ID : **3767496373**
Option 2 ID : **3767496374**
Option 3 ID : **3767496375**
Option 4 ID : **3767496376**
Status : **Answered**
Chosen Option : **4**

Q.140 The hamming distance between 10101 and 11110 is

1. 2
2. 3
3. 4
4. 5

Options 1. 1

2. 2
3. 3
4. 4

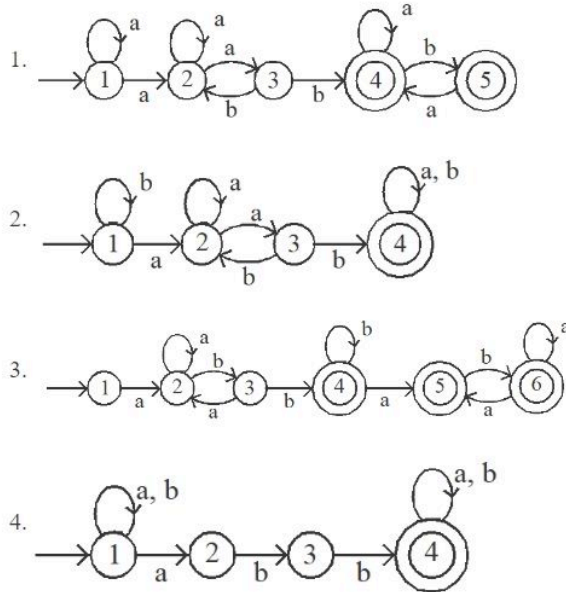
Question Type : **MCQ**
Question ID : **3767491666**
Option 1 ID : **3767496493**
Option 2 ID : **3767496494**
Option 3 ID : **3767496495**
Option 4 ID : **3767496496**
Status : **Answered**
Chosen Option : **2**

Comprehension:

A machine is represented by states Q , input alphabet Σ , transition function δ . Initial state q_0 and final state F . The machine accepts all the strings over $\Sigma = \{a, b\}$, which start and ended with any combination of all alphabet and abb works /lies as subtring in all the strings to be accepted.

SubQuestion No : 141

Q.141 Which of the following represented the minimum state DFA for the above specified passage?



Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491688

Option 1 ID : 3767496577

Option 2 ID : 3767496578

Option 3 ID : 3767496579

Option 4 ID : 3767496580

Status : Answered

Chosen Option : 4



Comprehension:

A machine is represented by states Q , input alphabet Σ , transition function δ . Initial state q_0 and final state F . The machine accepts all the strings over $\Sigma = \{a, b\}$, which start and ended with any combination of all alphabet and abb works /lies as substring in all the strings to be accepted.

SubQuestion No : 142

Q.142

For the above specified passage, which of the following represent the grammar for the language accepted the machine?

1. $S \rightarrow AabbB, A \rightarrow aA | \epsilon, B \rightarrow bB | \epsilon$
2. $S \rightarrow abbA, A \rightarrow aA | \epsilon | bA$
3. $S \rightarrow AabbA, A \rightarrow aA | bA | \epsilon$
4. $S \rightarrow Aabb, A \rightarrow aA | bA | \epsilon$

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491685**

Option 1 ID : **3767496565**

Option 2 ID : **3767496566**

Option 3 ID : **3767496567**

Option 4 ID : **3767496568**

Status : **Answered**

Chosen Option : **2**





Comprehension:

A machine is represented by states Q , input alphabet Σ , transition function δ . Initial state q_0 and final state F . The machine accepts all the strings over $\Sigma = \{a, b\}$, which start and ended with any combination of all alphabet and abb works /lies as substring in all the strings to be accepted.

SubQuestion No : 143

Q.143

For the above specified passage, which of the following represents the regular expression?

1. $(a+b)^*aab$
2. $aba(a+b)^*$
3. $b(a+b)^*b(a+b)^*a(a+b)^*$
4. $(a+b)^*abb(a+b)^*$

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491684**

Option 1 ID : **3767496561**

Option 2 ID : **3767496562**

Option 3 ID : **3767496563**

Option 4 ID : **3767496564**

Status : **Answered**

Chosen Option : **3**



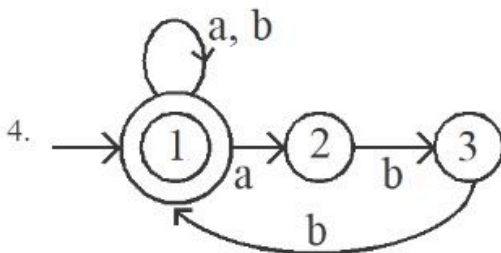
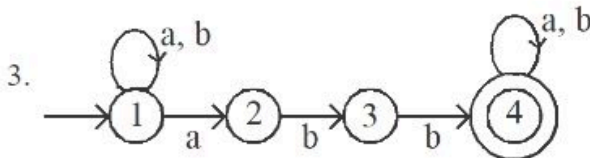
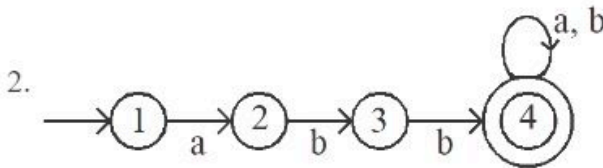
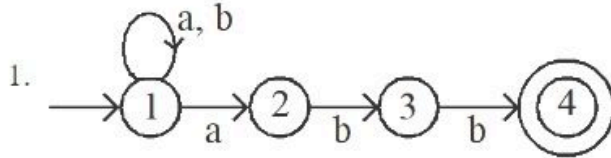
Comprehension:

A machine is represented by states Q , input alphabet Σ , transition function δ . Initial state q_0 and final state F . The machine accepts all the strings over $\Sigma = \{a, b\}$, which start and ended with any combination of all alphabet and abb works /lies as subtring in all the strings to be accepted.

SubQuestion No : 144

Q.144

For the above mentioned passage which of the following is correct?



Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 3767491686

Option 1 ID : 3767496569

Option 2 ID : 3767496570

Option 3 ID : 3767496571

Option 4 ID : 3767496572

Status : Answered

Chosen Option : 4

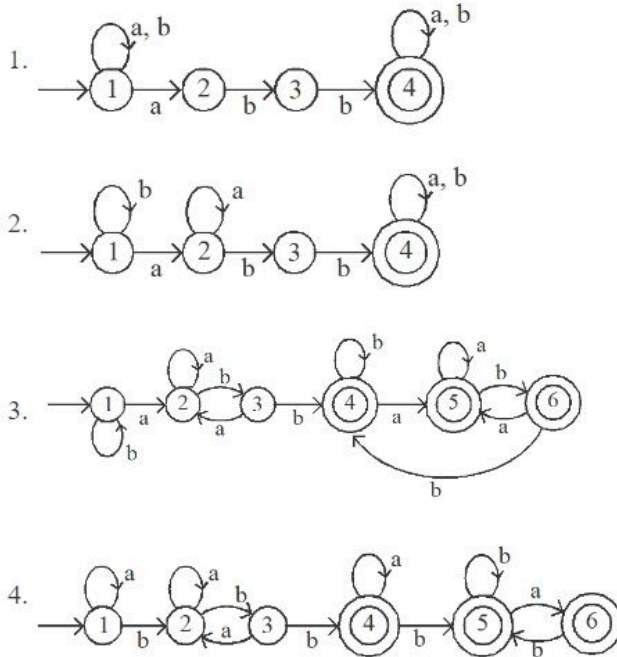
Comprehension:

A machine is represented by states Q , input alphabet Σ , transition function δ . Initial state q_0 and final state F . The machine accepts all the strings over $\Sigma = \{a, b\}$, which start and ended with any combination of all alphabet and abb works /lies as substring in all the strings to be accepted.

SubQuestion No : 145

Q.145

For the above specified passage, which of the following is DFA for the language represented/accepted by machine?



- Options 1. 1
2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 3767491687

Option 1 ID : 3767496573

Option 2 ID : 3767496574

Option 3 ID : 3767496575

Option 4 ID : 3767496576

Status : Answered

Chosen Option : 3



Comprehension:

Consider the following set of processes with the arrival time and length of CPU Burst time given in milli-seconds (ms):

Process	Arrival Time	Burst Time
P ₁	0	5
P ₂	2	3
P ₃	2	2
P ₄	5	3
P ₅	6	1

SubQuestion No : 146

Q.146 When we apply Shortest Job First (SJF) scheduling Policy/algorithm, Process (P₂) faces partial starvation and waits for the longer time to execute. Which one of the following algorithms addresses this problem?

1. Round Robin
2. Priority
3. Highest Response ratio Next
4. Least Completed next

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **3767491694**

Option 1 ID : **3767496597**

Option 2 ID : **3767496598**

Option 3 ID : **3767496599**

Option 4 ID : **3767496600**

Status : **Answered**

Chosen Option : **3**





Comprehension:

Consider the following set of processes with the arrival time and length of CPU Burst time given in milli-seconds (ms):

Process	Arrival Time	Burst Time
P ₁	0	5
P ₂	2	3
P ₃	2	2
P ₄	5	3
P ₅	6	1

SubQuestion No : 147

Q.147 What is the average turnaround time for these Processes with First Come First Serve (FCFS) scheduling Algorithm?

1. 5.3 ms
2. 6.4 ms
3. 7.0 ms
4. 8.2 ms

- Options**
1. 1
 2. 2
 3. 3
 4. 4

Question Type : **MCQ**

Question ID : **3767491690**

Option 1 ID : **3767496581**

Option 2 ID : **3767496582**

Option 3 ID : **3767496583**

Option 4 ID : **3767496584**

Status : **Answered**

Chosen Option : **2**





Comprehension:

Consider the following set of processes with the arrival time and length of CPU Burst time given in milli-seconds (ms):

Process	Arrival Time	Burst Time
P ₁	0	5
P ₂	2	3
P ₃	2	2
P ₄	5	3
P ₅	6	1

SubQuestion No : 148

Q.148 What is the average waiting time for these processes with non-preemptive Shortest Job First (SJF) scheduling Algorithm?

1. 3.0 ms
2. 2.1 ms
3. 4.6 ms
4. 3.2 ms

Options 1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491691**

Option 1 ID : **3767496585**

Option 2 ID : **3767496586**

Option 3 ID : **3767496587**

Option 4 ID : **3767496588**

Status : **Answered**

Chosen Option : **3**





Comprehension:

Consider the following set of processes with the arrival time and length of CPU Burst time given in milli-seconds (ms):

Process	Arrival Time	Burst Time
P ₁	0	5
P ₂	2	3
P ₃	2	2
P ₄	5	3
P ₅	6	1

SubQuestion No : 149

Q.149 Find the average weighted turnaround time for these process using Highest Response Ratio Next (HRN) Algorithm?

1. 3.2 ms
2. 2.834 ms
3. 1.632 ms
4. 6.721 ms

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **3767491692**

Option 1 ID : **3767496589**

Option 2 ID : **3767496590**

Option 3 ID : **3767496591**

Option 4 ID : **3767496592**

Status : **Answered**

Chosen Option : **3**





Comprehension:

Consider the following set of processes with the arrival time and length of CPU Burst time given in milli-seconds (ms):

Process	Arrival Time	Burst Time
P ₁	0	5
P ₂	2	3
P ₃	2	2
P ₄	5	3
P ₅	6	1

SubQuestion No : 150

- Q.150** Calculate the average response time for these processes with nonpreemptive priority Scheduling algorithm? Priority of the process are as follows and consider that all the processes came at zero (0) time. (Note low numbers represent high priority).

Process	Burst Time	Priority
P ₁	5	3
P ₂	3	1
P ₃	2	5
P ₄	3	4
P ₅	1	2

1. 5.6 ms
2. 5.2 ms
3. 4.7 ms
4. 3.8 ms

Options 1. 1

2. 2
3. 3
4. 4



Question Type : **MCQ**

Question ID : **3767491693**

Option 1 ID : **3767496593**

Option 2 ID : **3767496594**

Option 3 ID : **3767496595**

Option 4 ID : **3767496596**

Status : **Answered**

Chosen Option : **2**

